



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,590	06/06/2002	Sami Uskela	088245-1487	9705
23524	7590	01/03/2011	EXAMINER	
FOLEY & LARDNER LLP			MEKY, MOUSTAFA M	
150 EAST GILMAN STREET				
P.O. BOX 1497			ART UNIT	PAPER NUMBER
MADISON, WI 53701-1497			2457	
			MAIL DATE	DELIVERY MODE
			01/03/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/049,590	USKELA ET AL.	
	Examiner	Art Unit	
	Moustafa M. Meky	2457	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 19 October 2010.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 43-78 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 43-78 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____. | 6) <input type="checkbox"/> Other: _____ . |

Art Unit: 2457

1. The amendment filed 10/19/2010 has been entered and considered by the examiner.
2. Claims 43-78 are presenting for examination.
3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 43-46, 59, 67, and 73 are rejected under 35 U.S.C. 102(e) as being anticipated by Miller (US Patent No. 6,873,627).
5. As to claim 43, Miller shows in Fig 3, A method comprising:
 - * receiving a multicast data packet at a routing unit 22 of a communication system (see col 7, lines 30-35), wherein the multicast data packet includes a multicast address associated with a multicast group (receivers 1-3), see the abstract, lines 6-7, col 4, lines 47-51;
 - * identifying receiver addresses associated with the multicast address, see col 8, lines 66-67, col 9, lines 1-2;
 - * identifying one or more parameters associated with at least one of the receiver addresses, see the abstract, lines 9-11, col 4, lines 51-58;

* filtering the multicast data packet based on the one or more parameters to generate a filtered data packet (converted packet), see the abstract, lines 9-13, col 4, lines 58-61;
* transmitting the filtered data packet (converted packet) to the at least one of the receiver addresses, see the abstract, line 14, col 4, lines 61-62.

6. As to claim 44, maintaining a table that associates the receiver addresses with the multicast address, wherein the table is stored at a control unit (22), see col 8, lines 66-67, col 9, lines 1-2, lines 17-21.

7. As to claim 45, maintaining a table that associates the one or more parameters with the at least one of the receiver addresses, see the abstract, lines 9-11, col 4, lines 51-58, col 9, lines 27-35.

8. As to claim 46, wherein the one or more parameters are dependent on one or more conditions of a receiver (whether needs format conversion or not) associated with the at least one of the receiver addresses, see the abstract, lines 9-11, col 4, lines 51-58, col 9, lines 27-35.

9. As to claims 59, 67, and 73, the claims are similar in scope to claim 43, and they are rejected under the same rationale.

Therefore, it can be seen from paragraphs 5-9 that Miller anticipates claims 43-46, 59, 67, and 73.

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. Claims 47-58, 60-66, 68-72, and 73-78 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miller.

12. As to claims 47-58, Miller shows a method in a communication system as been discussed in paragraph 5 above. However, Miller doesn't teach the different parameters of filtering as been claimed. However, Miller discloses other different filtering techniques, see col 11, lines 38-49. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the system of Miller to include the claimed filtering parameters in order to support the receivers' needs.

13. As to claims 60-66, 68-72, and 74-78, the claims are similar in scope to claims 47-58, and they are rejected under the same rationale.

Therefore, it can be seen from paragraphs 12-13 that the modified system of Miller teaches the limitations of claims 47-58, 60-66, 68-72, and 73-78.

14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

15 .Any inquiry concerning this communication or earlier communications from the examiner should be directed to Moustafa M. Meky whose telephone number is 571-272-4005. The examiner can normally be reached on flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Moustafa M Meky/
Primary Examiner, Art Unit 2457

12/25/2010